

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated in the following listing of all claims:

1. to 101. (Canceled)

102. (*Currently Amended*) An electrode assembly configured to create a flow of air comprising:

- a. a first electrode;
- b. a second electrode located downstream from the first electrode[[, the]],
- c. a trailing electrode located at least partially downstream from the second electrode, the trailing electrode operating at the same polarity as the second electrode and being configured to cause a generation of ions; and
- d. a voltage generator operatively coupled to the first electrode, the second electrode and the trailing electrode.

103. (Canceled)

104. (Previously presented) The electrode assembly of claim 102 wherein the second electrode is configured to collect charged particles in the air.

105. (Previously presented) The electrode assembly of claim 102 wherein the trailing electrode is configured to assist in a collection of charged particles in the air.

106. (Previously presented) The electrode assembly of claim 102 wherein the trailing electrode is configured to assist in a neutralization of oppositely charged particles in the air.

107. (Previously presented) The electrode assembly of claim 102 wherein the trailing electrode is configured to emit negative ions.

108. (Previously presented) The electrode assembly of claim 102 wherein the trailing electrode and the second electrode are each configured to emit negative ions.

109. (Previously presented) The electrode assembly of claim 102 wherein at least one end of the trailing electrode has a pointed portion.

110. (Previously presented) The electrode assembly of claim 102 wherein the second electrode is adapted to be removably coupled to a housing of an electro-kinetic air transporter conditioner.

111. (Previously presented) The electrode assembly of claim 102 wherein the second electrode is adapted to be removably coupled to a housing of an electro-kinetic air transporter conditioner for cleaning purposes.

112. (Previously presented) The electrode assembly of claim 110 wherein the second electrode is attached to a handle, wherein the handle allows a user to remove the second electrode from the housing of the electro-kinetic air transporter conditioner.

113. (Previously presented) The air treatment apparatus of claim 154 wherein the second electrode has a particle collector.

114. (Previously presented) The air treatment apparatus of claim 154 wherein the trailing electrode has a particle collector.

115. (Previously presented) The air treatment apparatus of claim 113 wherein the second electrode assembly is removable through a top surface of the housing.

116. (Previously presented) The electrode assembly of claim 102 wherein the second electrode further comprises an elongated fin having a first end and a second end configured vertically opposite of the first end.

117. (Previously presented) The electrode assembly of claim 116 wherein the trailing electrode is positioned proximal to the first end of the second electrode.

118. (Previously presented) The electrode assembly of claim 102 wherein the voltage generator is located within an elongated housing of an electro-kinetic air transporter conditioner.

119. (Previously presented) The electrode assembly of claim 102 wherein the second electrode further comprises a plurality of elongated plates each having a first end and a second end configured vertically opposite of the first end, wherein the elongated plates are configured parallel to each other.

120. (Previously presented) The electrode assembly of claim 119 wherein the trailing electrode is positioned proximal to the first end of the second electrode.

121. (Previously presented) The electrode assembly of claim 102 wherein the second electrode further comprises three elongated plates each having a first end and a second end configured vertically opposite of the first end, wherein the elongated plates are configured parallel to each other.

122. (Previously presented) The electrode assembly of claim 102 wherein the first electrode emits positive ions and the second electrode emits negative ions.

123. (Previously presented) The electrode assembly of claim 122 wherein the trailing electrode emits negative ions.

124. (Previously presented) The electrode assembly of claim 102 wherein the first electrode charges particulates in the air and the second electrode collects the charged particulates flowing from the first electrode.

125. (Previously presented) The electrode assembly of claim 102 wherein the trailing electrode has at least one pointed surface, the at least one pointed surface of the trailing electrode being configured to face downstream.

126. (*Currently Amended*) The electrode assembly of claim 102 wherein at least one pointed surface of the trailing electrode is configured to face in a direction substantially perpendicular to the downstream flow of air.

127. to 153. (Cancelled)

154. (Previously presented) An air treatment apparatus having an ion generator, the air treatment apparatus comprising:

- a. a first electrode assembly;
- b. a second electrode assembly downstream of the first electrode assembly;
- c. a trailing electrode at least partially downstream of the second electrode assembly, the trailing electrode being configured to cause a generation of ions; and
- d. a voltage generator electrically coupled to the second electrode assembly and the trailing electrode, wherein the second electrode assembly and the trailing electrode are charged at a same potential.

155. to 157 (Cancelled)

158. (Previously presented) The air treatment apparatus of claim 171 wherein the second electrode assembly is configured to collect charged particles in the air.

159. (Previously presented) The air treatment apparatus of claim 171 wherein the trailing electrode is configured to collect charged particles in the air.

160. (Previously presented) The air treatment apparatus of claim 171 wherein the trailing electrode is configured to neutralize oppositely charged particles in the air.

161. (*Currently Amended*) The air treatment apparatus of claim 171 wherein the trailing electrode is configured to emit[[s]] negative ions.

162. (*Currently Amended*) The air treatment apparatus of claim 171 wherein the trailing electrode is configured to emit and the second electrode are configured to emit negative ions.

163. (Previously presented) The air treatment apparatus claim 171 wherein the second electrode assembly is removable through a top surface of a housing.

164. (Previously presented) The air treatment apparatus of claim 171 wherein the first electrode assembly emits positive ions and the second electrode assembly emits negative ions.

165. (Previously presented) The air treatment apparatus of claim 164 wherein the trailing electrode is configured to emit negative ions.

166. (Canceled)

167. (Previously presented) The air treatment apparatus of claim 171 wherein the trailing electrode has a pointed end, the pointed end of the trailing electrode being configured to face the downstream direction.

168. (Previously presented) The air treatment apparatus of claim 171 wherein the trailing electrode has a pointed end, the pointed end of the trailing electrode being configured to face in a direction substantially perpendicular to the downstream direction.

169. (*Currently Amended*) A method of manufacturing an air treatment apparatus, the method comprising:

- a. providing a housing;
- b. configuring a first electrode in the housing;
- c. configuring a second electrode in the housing downstream from the first electrode;
- d. configuring a trailing electrode in the housing at least partially downstream from the second electrode, wherein so that the trailing electrode has the same polarity as the second electrode and is operable to cause a generation of ions; and
- e. coupling a voltage generator electrically to the first electrode, the second electrode and the trailing electrode, wherein the trailing electrode has the same polarity as the second electrode and is operable to cause a generation of ions.

170. (Canceled)

171. (Previously presented) An air treatment apparatus comprising:

- a. first electrode assembly;
- b. a second electrode assembly downstream of the first electrode assembly;
- c. a trailing electrode at least partially downstream of the second electrode assembly, the trailing electrode being configured to cause a generation of ions; and
- d. a voltage generator electrically coupled to the second electrode assembly and the trailing electrode, wherein the second electrode assembly and the trailing electrode are charged at a substantially identical potential.

172. (Previously presented) The air treatment apparatus of claim 154 wherein the first electrode assembly further comprises a plurality of wire-like electrodes.

173. (Previously presented) The air treatment apparatus of claim 154 wherein the second electrode assembly further comprises a plurality of plates parallel to one another.

174. (Previously Presented) The air treatment apparatus of claim 171 wherein the first electrode assembly further comprises a plurality of wire-like electrodes.

175. (Previously Presented) The air treatment apparatus of claim 171 wherein the second electrode assembly further comprises a plurality of plates parallel to one another.

176. (*New*) An electro-kinetic air flow producing device comprising:

- a first electrode;
- a second electrode assembly positioned downstream of the first electrode;
- a voltage generator having opposing supply terminals electrically coupled to the first electrode and to the second electrode assembly, respectively, to ionize air proximate to the first electrode and to accelerate the ionized air toward the second electrode assembly; and
- a trailing electrode at least partially downstream of the second electrode assembly, wherein the second electrode assembly and the trailing electrode are charged at a substantially identical potential and the trailing electrode is configured to neutralize at least some excess ions of the ionized air.

177. *(New)* The electro-kinetic air flow producing device of claim 176, wherein the trailing electrode is electrically coupled a same supply terminal of the voltage generator as the second electrode assembly.

178. *(New)* The electro-kinetic air flow producing device of claim 176, wherein the trailing electrode is electrically coupled to the second electrode assembly.

179. *(New)* The electro-kinetic air flow producing device of claim 176, wherein the trailing electrode is uncoupled to the voltage generator but floats to the substantially identical potential.

180. *(New)* The electro-kinetic air flow producing device of claim 176, wherein the trailing electrode is configured to emit negative ions to neutralize at least some excess positive ions emitted proximate to the first electrode.

181. *(New)* The electro-kinetic air flow producing device of claim 176, wherein a second electrode of the second electrode assembly includes an elongated fin having a first end and a second end configured vertically opposite of the first end; and wherein the trailing electrode is positioned proximate to the first end of the second electrode.

183. *(New)* The electro-kinetic air flow producing device of claim 176, wherein a second electrode of the second electrode assembly includes a pair of elongated plates each having a first end and a second end configured vertically opposite of the first end; and wherein the trailing electrode is positioned proximate to the first ends of the elongated plates.

184. *(New)* The electro-kinetic air flow producing device of claim 176, wherein the trailing electrode has at least one pointed surface, the at least one pointed surface of the trailing electrode being configured to face downstream.

185. (*New*) The electro-kinetic air flow producing device of claim 176,
wherein at least one pointed surface of the trailing electrode is configured to face in a
direction substantially perpendicular to the downstream flow of air.